

Application No. 10/763,502  
Response dated January 9, 2007  
Reply to Restriction Requirement of September 13, 2006

**REMARKS**

Applicants have cancelled claims 7-33 as they are drawn to non-elected subject matter.

Applicants have amended claims 3 and 6 to correct inadvertent typographical errors. None of the proposed amendments is new matter.

Cancellation of claims 7-33 is done so without prejudice and without waiver of applicants' rights to file for and obtain claims directed to any non-elected subject matter in divisional or continuing applications which claim priority from this application under 35 U.S.C. § 120. In addition, any amendments are made without waiver of applicants' rights to continue to prosecute and obtain claims directed to the former subject matter either in this application or in other applications.

Therefore, claims 1-6 are now pending in this application.

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**The Restriction Requirement**

The Examiner has required restriction of the pending claims into one of the following six groups under 35 U.S.C. § 121.

Group I: Claims 1-6 drawn to an isolated PAMP protein.

Group II: Claims 7-18 drawn to a transgenic animal encoding a PAMP in neuronal cells.

Group III: Claims 19-24 drawn to a system for measuring presenilin activity comprising PAMP and a substrate, which can be a whole cell.

Group IV: Claim 25 drawn to a method for detecting a mutation in PAMP that is associated with a disease.

Group V: Claims 26-29 drawn to a method of diagnosing a patient with a neurodegenerative disorder by detecting a mutation in PAMP.

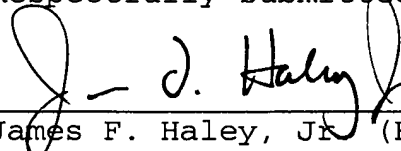
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Group VI: Claims 30-33 drawn to a method of identifying a compound that modulates PAMP activity comprising contacting a transgenic animal with a compound.

Applicants elect the subject matter of Group I (Claims 1-6) for initial examination. This election is made expressly without waiver of applicants' rights to continue to prosecute and to obtain claims to the non-elected subject matter either in this application or in other applications, including divisional or continuing applications, claiming benefit herefrom under 35 U.S.C. § 120.

Applicants request favorable consideration of the application and early allowance of the pending claims.

Respectfully submitted,



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